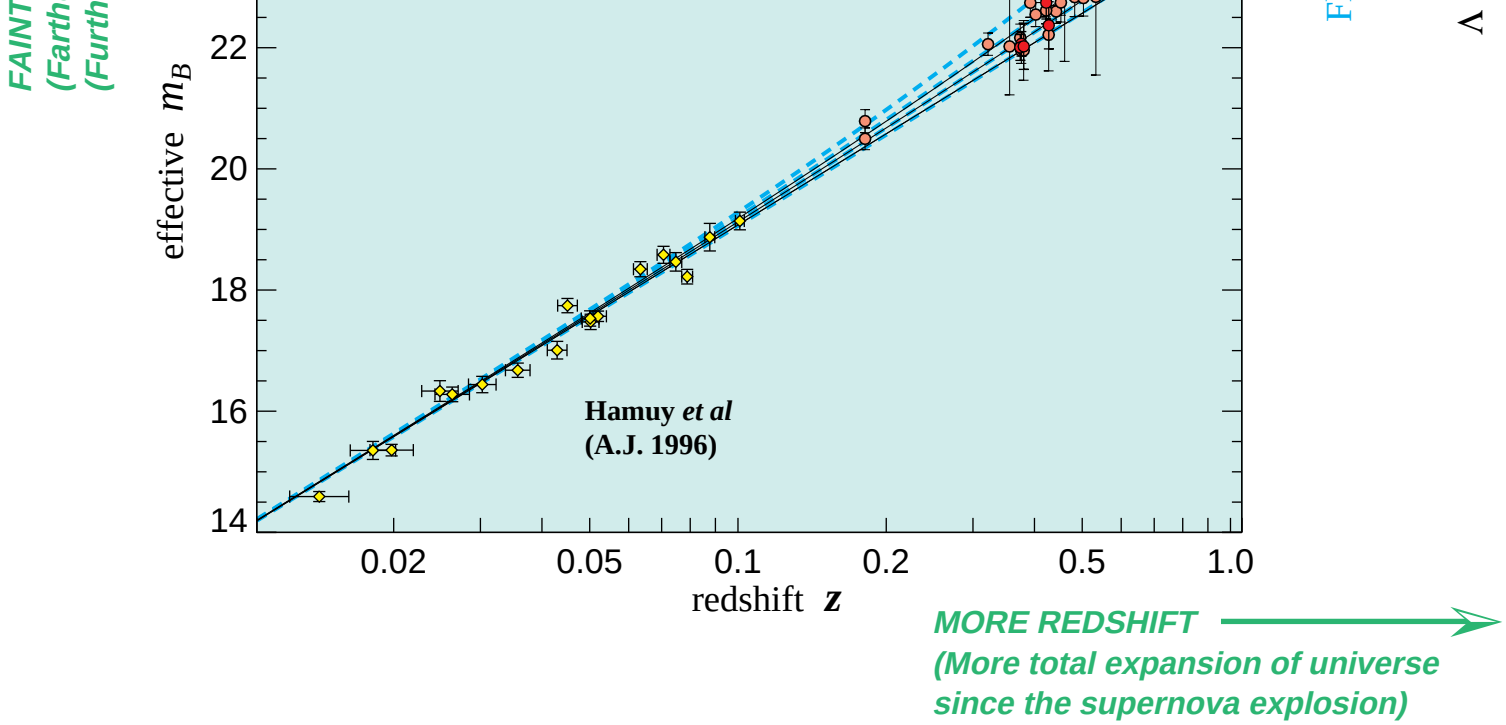

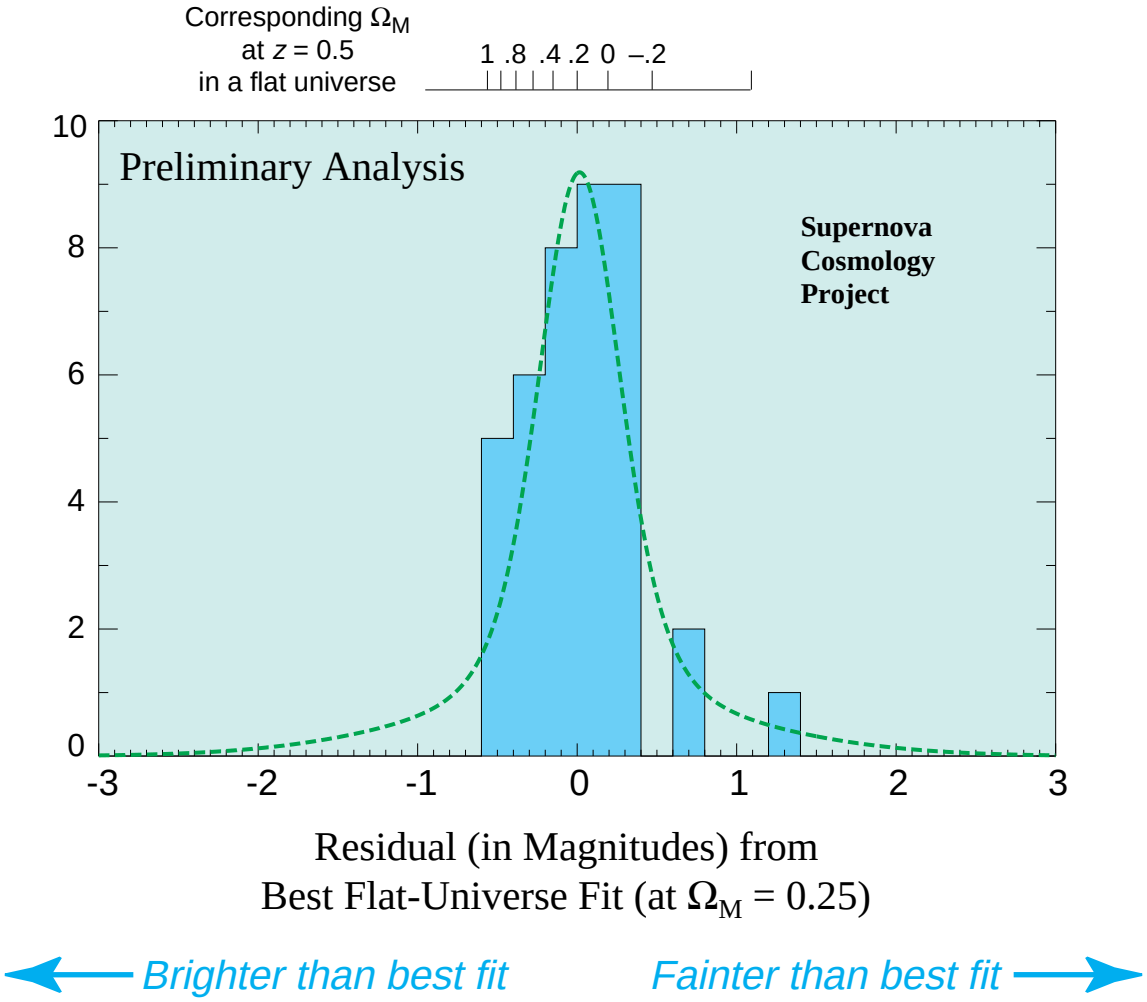

The Hubble diagram with the data from the supernovae already published (Perlmutter *et al*, *Ap.J.*, 1997, with the supernovae at $z \sim 0.4$, and Perlmutter *et al.*, *Nature*, 1998, with the supernova at $z = 0.83$) shown as dark red circles with black outlines, and the next 35 supernovae shown as lighter red circles. The four dashed blue curves show the locus expected for a flat universe for four values of Ω_M (listed at right), and the three solid black curves are for a $\Lambda = 0$ universe. The lower plot is a histogram of residuals from the best fit values:

Flat universe: $\Omega_M = 0.25$ [$\pm$ 0.06 statistical] [$\pm$ 0.3 systematic]